IN THE SPECIFICATION

Please amend paragraphs [0007] and [0029] as follows:

[0007] Figure 1A is a diagram showing an exemplary embolic coil according to the present invention;

Figure 1B shows a detailed view of the coil of Fig. 1A in a pre-deployment configuration;

Figure 1C shows a detailed view of the coil of Fig. 1A in a post-deployment configuration;

Figure 2 is a diagram showing a primary coil winding for an embolic coil according to an embodiment of the invention;

Figure 3 is a diagram showing a secondary coil winding for a conventional embolic coil;

Figure 4 is a diagram showing attachment of polymeric fibers to the primary coil according to an embodiment of the invention;

Figure 5 is a diagram showing a shape memory primary coil / mandrel according to an embodiment of the invention;

Figure 6 is a diagram showing winding of a platinum wire on a shape memory mandrel according to an embodiment of the present invention;

Figure 7 is a diagram showing a Nitinol winding core with fiber retainers according to an embodiment of the invention; ~~and~~

Figure 8 is a diagram showing a Nitinol winding core with fiber retainers according to a second embodiment of the invention; and

Figure 9 is a diagram showing a shape memory core wire with fiber retainers and co-winding of a platinum wire and a second wire made of a shape memory material according to an embodiment of the invention.

[0029] In a different embodiment, the platinum wire forming the primary coil 108 may be co-wound with a second wire made of a shape memory material. A heat setting process may be used to set and maintain the shape of primary coil 108, by relying on the properties of the shape memory material wire. More complex designs of the primary coil 108 may thus be obtained without reducing the fiber retention capability of the device. Figure 9 shows this embodiment. Platinum wire 104 of primary coil 108 is co-wound with the second wire 204 that is made of a shape memory material. Both wires are wound around shape memory core wire 122. Shape memory core wire 122 may comprise spiral groves 126, which help anchor fibers such as the fibers 22 shown in Fig. 4. Because spiral groves 126 may help anchor fibers such as fibers 22 shown in Fig. 4 more complex designs of the primary coil 108 may thus be obtained via the heat setting process without reducing the fiber retention capability of the device.